

**This Page is Inserted by IFW Indexing and Scanning
Operations and is not part of the Official Record**

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** _____

IMAGES ARE BEST AVAILABLE COPY.

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.

L Number	Hits	Search Text	DB	Time stamp
-	130	(allow\$ permi\$7 grant5) near30 (time period\$4) near30 (longer extra more exten\$6) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6)	USPAT	2004/10/13 15:27
-	105	((allow\$ permi\$7 grant5) near12 (time period\$4)) near30 (longer extra more exten\$6) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6)	USPAT	2004/10/13 14:07
-	17	((allow\$ permi\$7 grant5) near12 (time period\$4)) near30 (longer extra more exten\$6) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	USPAT	2004/10/13 14:12
-	301	((time period\$4) near8 (longer extra more exten\$6)) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	USPAT	2004/10/13 14:13
-	260	((time period\$4) near8 (longer extra more exten\$6)) near30 ((finish\$6 complet\$6 all total\$6) near16 (transm\$7 sent send deliver\$6)) near30 (data packet)	USPAT	2004/10/13 14:13
-	247	((time period\$4) near8 (longer extra more exten\$6)) near30 ((finish\$6 complet\$6 all total\$6) near16 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 15:24
-	72	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((time period\$4) near8 (longer extra more exten\$6)) near30 ((finish\$6 complet\$6 all total\$6) near16 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 14:14
-	72	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((time period\$4) near8 (longer extra more exten\$6)) near30 ((finish\$6 complet\$6 all total\$6) near16 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 15:27
-	3418678	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) ear30 (allow\$ permi\$7 grant5) near30 (time period\$4) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near12 (data packet)	USPAT	2004/10/13 15:28
-	86	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allow\$ permi\$7 grant5) near30 (time period\$4) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near12 (data packet)	USPAT	2004/10/13 16:07
-	441	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allow\$ permi\$7 grant5) near30 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet)	USPAT	2004/10/13 16:20
-	210740	455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.	USPAT	2004/10/13 16:06
-	218	((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allow\$ permi\$7 grant5) near30 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet)) and (455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.)	USPAT	2004/10/13 16:07

-	163	((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allow\$ permi\$7 grant5) near30 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet)) and (455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.)) not ((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allow\$ permi\$7 grant5) near30 (time period\$4) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near12 (data packet)) (455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 16:07
-	34	((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet)) (455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (last) near12 (transm\$7 sent send deliver\$6) near12 (data packet)) (uplink reverse inbound up-link reverse in-bound) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6 last) near12 (data packet) near12 (transm\$7 sent send deliver\$6))	USPAT	2004/10/13 17:02
-	9	((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (last) near12 (transm\$7 sent send deliver\$6) near12 (data packet)) (uplink reverse inbound up-link reverse in-bound) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6 last) near12 (data packet) near12 (transm\$7 sent send deliver\$6))	USPAT	2004/10/13 17:02
-	3	((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (let get) near12 (finish\$6 complet\$6 all total\$6 last) near12 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 16:49
-	14	((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)) not ((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (last) near12 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 16:50
-	32	((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)) not ((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (last) near12 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 17:03
-	0	((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)) not ((455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near12 (transm\$7 sent send deliver\$6) near12 (data packet))	USPAT	2004/10/13 17:03

-	34	(455/\$.ccls. 340/\$.ccls. 370/\$.ccls. 375/\$.ccls. 379/\$.ccls.) and (user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	USPAT	2004/10/14 10:36
-	16	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near12 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	EPO; JPO; DERWENT; IBM_TDB	2004/10/14 10:41
-	20	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	EPO; JPO; DERWENT; IBM_TDB	2004/10/14 10:41
-	78	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 (allowed permitted granted) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet)	USPAT	2004/10/14 10:51
-	9	(allowed permitted granted) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet) near30 more	USPAT	2004/10/14 10:53
-	8	(allowed permitted granted) near30 (finish\$6 complet\$6 all total\$6) near30 (transm\$7 sent send deliver\$6) near30 (data packet) near30 more	US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/10/15 09:53
-	4280	extra near1 time	USPAT	2004/10/15 10:47
-	2	455/69.ccls. and extra near1 time	USPAT	2004/10/15 10:47
-	0	grant near1 extra near1 time	USPAT	2004/10/15 10:48
-	2	grant near2 extra near1 time	USPAT	2004/10/15 10:48
-	2	grant near4 extra near1 time	USPAT	2004/10/15 10:48
-	4	grant near4 extra near2 time	USPAT	2004/10/15 10:49
-	1	granted near4 extra near2 time	USPAT	2004/10/15 11:07
-	142	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) same ((how adj long) near7 (channel link path resource))	USPAT	2004/10/15 11:09
-	34	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) same (determin\$4 near4 (how adj long) near7 (channel link path resource))	USPAT	2004/10/15 11:15
-	77	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near7 (channel link path resource))	USPAT	2004/10/15 11:48

-	59	((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near7 (channel link path resource))) not ((user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) same (determin\$4 near4 (how adj long) near7 (channel link path resource)))	USPAT	2004/10/15 11:15
-	47	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near7 (call))	USPAT	2004/10/15 11:52
-	21	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near2 (channel link path resource))	USPAT	2004/10/15 11:48
-	215	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near7 (before))	USPAT	2004/10/15 11:53
-	72	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near3 (before))	USPAT	2004/10/15 11:54
-	16	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near4 (channel link path resource call) near3 (before))	USPAT	2004/10/15 11:59
-	0	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near4 (channel link path resource call) near3 (before))	EPO; JPO; DERWENT; IBM_TDB	2004/10/15 11:58
-	0	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near4 (channel link path resource call) near3 (switch\$4))	USPAT	2004/10/15 11:59
-	1	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near4 (channel link path resource call) near8 (switch\$4))	USPAT	2004/10/15 12:00

-	30	(user cellphone (cell adj phone) wireless cellular subscriber mobile personal apparatus radio device portable communication handset terminal mt ms vehicle pda pag\$3 laptop) near30 ((how adj long) near4 (channel link path resource call) near8 (use\$2 usage))	USPAT	2004/10/15 12:11
-	3069	traffic adj load\$3	USPAT	2004/10/15 12:27
-	664	455/\$.ccls. and traffic adj load\$3	USPAT	2004/10/15 12:27
-	36	455/69.ccls. and traffic adj load\$3	USPAT	2004/10/15 12:28
-	64	reduc\$3 adj traffic adj load\$3	USPAT	2004/10/15 12:28